

District	Field	Area	Aquifer
			Formation
3	Cat Canyon Oil	Sisquoc/East/Olivera Canyon/Central/West	Sisquoc
3	Casmalia Oil		Monterey
3	Lynch Canyon Oil		Monterey
3	Lynch Canyon Oil		Santa Margarita
3	Lynch Canyon Oil		Monterey
3	San Ardo Oil		Monterey
4	South Belridge Oil		Tulare
4	Poso Creek Oil	Enas/Premier	Etchegoin
4	Kern Front Oil		Chanac
4	Kern Front Oil		Etchegoin

Aquifer		Type/Exemption Criteria	Operator	Injection Type
	Zone			
	Sisquoc	Hydrocarbon zone extension	ERG	SF/SC
	Monterey	WD into zone less than 10,000 but greater t	CA	WD
	Lanigan	Hydrocarbon zone extension	Eagle Petroleum	SF
		extn from San Ardo Oil where exempt	Eagle Petroleum	WD
	D sand	extn from San Ardo Oil where exempt	Eagle Petroleum	WD
	Lombardi	extn from San Ardo Oil where exempt	Chevron	WD
	Tulare	Hydrocarbon zone extension downdip	Aera	WD
	Basal Etchegoin	Hydrocarbon zone extension	Hathaway	SF/SC
	Chanac	Hydrocarbon zone extension	Hathaway	SC
	Etchegoin	Hydrocarbon zone extension	Hathaway	WD

Status				
Documentation	EPA	Process	EPA Spreadsh	Status
Data submitted	Discussed	Needs RWQCB, Public Comment	Data submitted	On-hold for integration
Inc. data	Discussed	Needs RWQCB, Public Comment	X	Not being pursued
Inc. data	X	Needs RWQCB, Public Comment	X	Ongoing
Inc. data	X	Needs RWQCB, Public Comment	X	Ongoing
Inc. data	X	Needs RWQCB, Public Comment	X	Ongoing
Discussions made	X	X	X	Ongoing
Data submitted	Discussed	RWQCB, Public Comment done	X	Ongoing
Data submitted	X	RWQCB, Public Comment done	Data submitted	On-hold for integration
Discussions made	X	X	X	Ongoing
Discussions made	X	X	X	Ongoing

Category 1 - Injection into MOA Attachment 3 Fields/Formations and Known Injection into Non Primacy Formati

District	Field	Area	Aquifer Formation
4	Kern Front Oil		Santa Margarita
4	Kern River Oil		Chanac/Santa Margarita
4	Mount Poso Oil		Walker
4	Round Mountain		Olcese/Walker
4	Elk Hills		Tulare

ons/Zones

Type/Exemption Criteria	No of Operators	Injection Type	No of Active Wells
for discussion - zone TDS <3,000	3	WD	12
for discussion - zone TDS <3,000	3	WD	39
for discussion - zone TDS <3,000	1	WD	4
for discussion - zone TDS <3,000	3	WD/GD	32
TDS is >3,000 and <10,000	2	WD	33

Comments	Tentative Work Plan		
	Work Required	Target Date	Work Required
	Meet with operators	17-Jan-14	Review and integrate data if needed
	Meet with operators	17-Jan-14	Review and integrate data if needed
Injection is commingled to the Vedder which is an OK zone. Currently being reviewed at district but we will assume for now that these wells need the AE.	Meet with operators	17-Jan-14	Review and integrate data if needed
Injection is commingled to other zones which are OK zones. Currently being reviewed at district but we will assume for now that these wells need the AE.	Meet with operators	17-Jan-14	Review and integrate data if needed
Does not include Class I wells	Meet with operators	17-Jan-14	Review and integrate data if needed

Tentative Work Plan

Target Date	Work Required	Target Date	Work Required	Target Date
1st Quarter 2014?	Initiate RWQCB/Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
1st Quarter 2014?	Initiate RWQCB/Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
1st Quarter 2014?	Initiate RWQCB/Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
1st Quarter 2014?	Initiate RWQCB/Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
1st Quarter 2014?	Initiate RWQCB/Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014

Category 2 - Injection outside of Shaded Areas in Primacy Data Sheets

District	Field	Aquifer Formation
4	Kern Front Oil	Chanac
4	Kern Front Oil	Chanac/Etchegoin
4	Kern River Oil	Kern River
4	Poso Creek Oil	Etchegoin/Chanac/Santa Margarita
4	Mount Poso	Vedder/Pyramid Hill/Olcese

Type/Exemption Criteria	No of Operators	Injection Type	No of Active Wells	Tentative Work Plan	
				Work Required	Target Date
Extension of HC zone	2	WD	5	Meet with operators	17-Jan-14
Extension of HC zone	1	SF	2	Meet with operators	17-Jan-14
Hydrocarbon zone extension	2	SF/WD	36	Meet with operators	17-Jan-14
Hydrocarbon zone extension	2	SF/WD	31	Meet with operators	17-Jan-14
Hydrocarbon zone extension	4	SF/WD/GD	23	Meet with operators	17-Jan-14

Tentative Work Plan

Work Required	Target Date	Work Required	Target Date	Work Required	Target Date
Review and integrate data if needed	1st Quarter 2014?	Initiate RWQCB / Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
Review and integrate data if needed	1st Quarter 2014?	Initiate RWQCB / Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
Review and integrate data if needed	1st Quarter 2014?	Initiate RWQCB / Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
Review and integrate data if needed	1st Quarter 2014?	Initiate RWQCB / Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014
Review and integrate data if needed	1st Quarter 2014?	Initiate RWQCB / Public Comment	2nd Quarter 2014	Package and submit to EPA	2nd half 2014

Scoping of the Number of Class II Wells outside the Primacy productive areas (shaded) - preliminary

District	No. of Fields	No. of Operators	No. of Wells	Well Types
1	18	18	229	WF, WD
2	25	14	85	SF,WF, WD
3	18	16	145	SF, WF, WD, PM
4	42	46	1562	SF, WF, PM, WD, GD
5	8	7	14	WF, WD
6	2	2	5	WD